Abstract

A polarizing glass comprising geometrically anisotropic particles dispersed in an oriented manner in at least the surface of a glass base body. The glass base body is denoted by the weight percentages of 50-65 percent SiO₂, 15-22 percent B₂O₃, 0-4 percent Al₂O₃, 2-8 percent ZrO₂, 6 percent < Al₂O₃ + ZrO₂ <12 percent, 6-16 percent R₂O (where R denotes at least one from among Li, Na, and K), 0-3 percent Li₂O, 0-9 percent Na₂O, 4-16 percent K₂O, Li₂O+Na₂O<K₂O, 0-7 percent BaO and/or SrO, and 0-3 percent TiO₂. The glass base body comprises per 100 weight percent of essentially the above composition at least 0.15-1.0 percent Ag and at least the chemical equivalent to Ag of Cl and/or Br; and the geometrically anisotropic silver particles are metallic Ag particles. The polarizing glass is employed in optical products such as optical isolators.